

Will tenure red tape swamp the University?

Is the University about to be submerged under a mass of bureaucratic red tape?

This seemed to be the opinion of some academic administrators who, in written submissions to the Academic Affairs Committee, suggested that the mechanisms suggested for the selection of members to and the procedures of new tenure committees may prove to be administratively unworkable.

The following are some of the comments:

"Implementation will be excessively time consuming, elephantine in their bureaucratic structure, and practically verging on the unworkable." — *the Associate Deans of Graduate Studies*.

"There is a general feeling that regulations on matters of appointment, promotion and tenure are becoming too cumbersome for efficient administration." — *Dean Bernard Etkin, Engineering*.

"I do feel that the bureaucracy that would seem to be required to administer tenure hearings under the proposed system will be over-burdening. Indeed, the process may become so cumbersome that it will defeat its own purpose." — *Dr. George H. Beaton, Acting Director, School of Hygiene*.

"...the proposed structure for tenure consideration has become under the new recommendations unduly complex." — *Dean John Beckwith, Music*.

als, and, in due course, as an appraisal from XYZ means precisely nothing unless I know something about the quality of his judgment, the appraisers will have to be appraised. ... If we continue to make a habit of asking professors at other universities — experts whose time is precious — to provide their services free, for the love of the University of Toronto, they will soon cease to love us." — *Prof. Hans Eichner, Chairman, University Department of German*.

"I am relatively relaxed about the procedures for getting the student member for Tenure Committees simply because I am in the fortunate position of not having to implement it. I do feel extremely sorry for the heads of divisions who will have to implement it, because I do not think it is very practicable and it places an inordinate burden on the heads of divisions who, I suspect, will see this only as an exercise in satisfying student politicians." — *Principal A.C.H. Hallett, University College*.



UNIVERSITY of TORONTO

A publication of the Department of Information Services, 45 Willcocks Street (928-2102)

FRIDAY
6th JUNE
1975

No. 36

28th Year

Bulletin



After receiving LL.D.s (left to right); Dr. H. W. Worth, Dr. E. P. Harvold, Dr. Roy Ellis

Dentistry's centennial convocation

The Convocation for the Faculty of Dentistry on May 29 was a special occasion for several reasons. It marked the 100th anniversary of dental education in Canada; it included the graduation of only the third LL.D. ever in dentistry at U of T; and the Chancellor presented honorary LL.D. degrees to three former members of the Faculty.

Vice-Provost John D. Hamilton who presented former Dean of Dentistry, Roy G. Ellis for the LL.D., pointed out that, during his 23 years as Dean, Dr. Ellis oversaw many of the changes which made the Faculty one of the best in North America. Dr. Ellis changed the faculty to a professional division, developed a

new curriculum, upgraded the academic standards, and established a division of research.

"He is one of the great figures in dentistry of the 20th century, and he established Toronto as one of the great centres of teaching and research on this continent," concluded Dr. Hamilton.

Honorary degrees were also conferred upon two other former members of the faculty. Egil Peter Harvold, now at the University of California at San Francisco Medical School, was presented for a degree by Dean Gordon Nikiforuk. Dr. Harvold played a key role in the establishment of the de la Palaire centre at the Hospital for Sick Children.

The third honorary degree was presented to Ham W. Worth, who had been a long-time member of the faculty. Prof. H.G. Peyton, chairman of Radiology, Dr. Peyton said, "Dr. Worth is the architect of dental radiology and a leading authority in the field." But perhaps more important, he

labeled Prof. Worth as an outstanding teacher and humanist: "Although he is well past the biblical three score and ten he is still admired and sought after for his advice and consultation."

In a speech that was always addressed to the graduating class, Dr. Ellis spiced his brief history of the Faculty with liberal doses of humour. "Old deans never die," he told the graduates. "They just lose their faculties." Later he referred to himself as a "deanical dropout."

Dr. Ellis described the history of the Faculty from its beginning in 1875 as a school with two professors and eight students.

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Tenure rules ready await Council OK

The weary members of the Academic Affairs Committee last week completed their discussions of 15 controversial recommendations based on the 1973 task force report on academic appointments for the University.

In a close 6-5 vote, the committee recommended approval of a package of recommendations based on the inclusion of one student as a full voting member of all tenure committees, as adopted by Governing Council on March 20. The recommendations, as amended by the Academic Affairs Committee following consideration of divisional comments, will be forwarded to the Governing Council for final decision.

Prof. John Dove, chairman, opened what was to become a grueling six-hour meeting with the warning that "no decision we make today can satisfy everyone in the University."

After the committee approved 14 amendments and drafting changes to the more controversial recommendations, Prof. William Dunphy proposed that the package be forwarded to the Governing Council. The March 20 amendment on student membership was "unwise," he said, but, as a standing committee of Council, "we must follow instructions." The

motion carried with only one negative vote.

Seymour Kanowitch, student member, then moved that the committee formally approve these recommendations. Prof. Dove explained that the Committee could endorse this motion or choose either to make no statement of approval or disapproval, or suggest to Governing Council that it reverse the vote of March 20 and endorse a tenure committee structure without a voting student member. It would also be possible to recommend that Council defer a final decision on this issue until the fall.

In the ensuing debate members argued forcefully for each procedural option. Prof. Dunphy, who is to be chairman of the committee next year, said he was most impressed by the response from the four Associate Deans of the School of Graduate Studies, who wrote that "teaching has always been a central (and often the primary) consideration of all tenure committees" and suggested that the presence of a student will probably inhibit "the great frankness of the part of members" of tenure committees.

"The University as a whole is

Continued on Page 3

Dr Cruise heads ROM

Dr. James E. Cruise, Senior Associate Dean of Arts and Science, has been appointed director of the Royal Ontario Museum, effective July 1. Dr. Cruise succeeds Dr. Walter M. Tovell, who will continue at the Museum in charge of education and extension services.

The new director, who is 49 and a native of Port Dover, Ont., is a botanist who joined U of T in 1962, after completing a Cornell and Princeton. He graduated as a B. A. from U of T in 1950 and holds Cornell M.Sc. and Ph.D.

Dr. Cruise has long been the liaison between the Museum and the University Department of Botany. He will continue his current research contributing to the preparation of a technical manual to the flora of Ontario.



Alumni elect
new GC member

See Page 2

The Bulletin will not be published next week. The next regular issue will appear on June 20. Deadline for Coming Events notices is June 13.

New way to correct curvature of the spine

The newest method of correcting curvature of the spine or scoliosis in its early stages in adolescents is by means of a pace-maker, a muscle stimulator implanted in the muscles of the back. At the end of one week, the young patient can leave hospital wearing neither cast nor brace and be able to swim, ride a bike, or do gymnastics. In fact, the curve is corrected while the patient sleeps.

Dr. Walter Bobechko, an orthopaedic surgeon at the Hospital for Sick Children and associate professor in the Faculty of Department of Surgery, worked with Dr. Morley Herbert, a physiologist at the hospital's Research Institute, to devise and perfect a radical change-over in dealing with an old and difficult problem.

Dr. Bobechko points out that the muscle stimulator is used in adolescent patients "with at least two years of growing remaining, and whose curvature is not yet severe." For the more severe degree of deformity, spinal fusion and cast are still used.

In a 90-minute operation, Drs. Bobechko and Herbert implant a small radio receiver in the muscles on the convex side of the curvature. Attached to the receiver are the electrodes and fine wires which are embedded into the specific spinal muscles in which they will produce the optimal corrective force when the current is applied.

After the operation, the patient "turns on" the stimulator from outside the body by means of a battery-operated transmitter attached to an antenna placed over the area of the back where the stimulator is implanted.

The patient becomes accustomed to the stimulator gradually, an hour at a time. If it is left on too long at first, the patient feels the same discomfort felt in any muscle being used extensively. Eventually the patient is oblivious to the stimulation, which he or she turns on each night before going to sleep.

Every 10 seconds a current lasting one second causes the muscle to contract and pull the spine into better alignment. To date the only mechanical failure occurred when a child broke an electrode while jumping on a trampoline.

"When the spine is adequately straightened," says Dr. Bobechko, "we stop the stimuli temporarily. If the curve recurs, we turn it on again." Dr. Bobechko is pleased that 50 per cent. of the 16 patients treated have had at least a 30 per cent. correction. When that is complete, the receiver is removed.

The Hospital for Sick Children is the only centre where the new technique is being used, but both the University Hospital of Miami and New York's Columbia-Presbyterian Hospital are interested in using it. Dr. Herbert will go to New York shortly to introduce the method.

The Ontario Society for Crippled Children financed the project which was first conducted experimentally in growing animals. Drs. Bobechko and Herbert will continue to evaluate the method at the Hospital for Sick Children and in the University's Department of Surgery.

Hammer away - Chant

"We have gone about as far as we can without squarely facing the central questions of consumption rates and resource distribution," says Prof. Donald A. Chant, chairman of Zoology and Vice-President and Provost-designate.

Writing in the 1974 annual report of Pollution Probe, he says Probe must "hammer away at growth-related issues until they become respectable topics for public debate."

Government officials are not unaware of the dangers. But they do not dare raise questions about our present patterns of growth. Industrialists admit privately that the writing is on the wall. Yet we hear little talk of the radical reappraisal that must take place being initiated by the business community."

The report says that Probe spent \$246,433 on several projects, including garbage recycling, summer health clinics, the provincial solid waste task force, the Pickering airport inquiry, and preparation of expert testimony for the hearings on the proposed Mackenzie Valley gas pipeline.

Energy Probe, a new affiliate, has been formed and all Probe activities will be co-ordinated from the main office at 43 Queen's Park Crescent East.

11 % admitted on visa

Analysis of the registration patterns for the four years 1971-74 indicates that approximately 63 per cent. of U of T graduate students, excluding those enrolled in educational theory, are Canadian citizens; 26 per cent. are landed immigrants, and a further 11 per cent. have been admitted on a student visa.

Prof. H.W. Smith, Associate Dean, School of Graduate Studies, told the Planning and Resources Committee on May 27 that 39 per cent. of the landed immigrants but only 10 per cent. of the student visa admissions came from the United Kingdom and Europe, while the United States was listed as the national origin of 32 per cent. of the landed immigrants and 58 per cent. of those on a student visa. The figures for students from Asian and African countries were almost identical, with 27 per cent. as landed immi-

grants and 24 per cent. on a student visa.

An examination of first enrolments for the 1974-75 academic year reveals that the percentage of Canadian citizens has increased slightly to 64 per cent. but the landed immigrants and those on a student visa are now equal in numbers at 18 per cent.

"This undoubtedly reflects the effect of tighter immigration policies, and is consistent with other evidence, for example, Ph.D. employment surveys which indicate that under the looser policies previously in force, only about 70 per cent. of the landed immigrants were bona fide," the report states.

Dean Smith noted that nearly 70 per cent. of the student visa enrolment is drawn from the developed countries and these students are heavily concentrated in the humanities and social sciences, whereas Third-world students are heavily concentrated in the sciences.

THURSDAY, JUNE 12

J. Roger Pitblado, Department of Geography, "Land Capability and Land Tenure: Problems and Prospects for Agricultural Development in the North Mikata Plain, Tanzania." Thesis supervisor: Prof. J.J. van Der Byk. Room 108, 16 Hart House Circle, 2 p.m.

MONDAY, JUNE 16

Victor Richard Koop, Department of Educational Theory, "Labelling: Dispositional Effects on Person Perception." Thesis supervisor: Prof. D.G. Ogston. Room 108, 16 Hart House Circle, 2 p.m.

Armin Rahn, Department of Mathematics, "An Application of Stochastic Processes to Manpower Systems." Thesis supervisor: Prof. W.A. Waugh. Room 201, 65 St. George St., 2 p.m.

Barry Wilson, Department of Philosophy, "Interpretation and Evidence: Understanding and Objectivity in the Humanities." Thesis supervisor: Prof. W. Chrichton. Round Room, Massey College, 2 p.m.

TUESDAY, JUNE 17

John Joseph Paciga, Department of Chemical Engineering, "Trace Element Characterization and Size Distributions of Atmospheric Particulate Matter in Toronto." Thesis supervisor: Prof. R.E. Jervis. Room 201, 65 St. George St., 10 a.m.

WEDNESDAY, JUNE 18

David W. Appleton, Department of Biochemistry, "Model Systems for the Interaction of Zn (II) and Co (II) with Carbonic Anhydrase." Thesis supervisor: Prof. B. Sarkar. Room 201, 65 St. George St., 10 a.m.

ERNST PETER KUNDIG

Ernst Peter Kundig, Department of Chemistry, "Transition Metal Alloys in Organic Synthesis." Thesis supervisor: Prof. G.A. Ozin. Room 108, 16 Hart House Circle, 2 p.m.

Miss Henry will take the place of Mrs. Dorothy Walden, who resigned for reasons of health, and complete the term, expiring June 30, 1977.

The new member of Council has had an active career, first as a hospital administrator and therapeutic dietitian, then as a home economist in the business world. Since 1963 Miss Henry has been director of the home service bureau of Maple Leaf Mills Limited, Toronto.

In addition to her education at U of T, Miss Henry has a diploma in dietetic internship from John Hopkins Hospital, Baltimore, MD, and has studied at the University of Chicago. She is a past president

Interested in journey to Parnassus?

Bill Glenn, editor of the 1975 undergraduate handbook, has issued an invitation to all interested explorers to join him on, as he puts it, "a literary journey to the centre of Parnassus". He is looking for information gathered by personal research into, and experience of, individual college services and activities. And he would like to hear from anyone who can contribute literary, artistic, photographic, critical or investigative skills. Anyone interested is asked to write to Bill Glenn at SAC, 12 Hart House Circle. Or you may drop into his office on the third floor of the SAC building, or telephone him at 928-4911.

PH D ORALS

John M. Hewings, Department of Geography, "Environmental Indices and Public Attitudes: The Case of the Ontario Air Pollution Index." Thesis supervisor: Prof. I. Burton. Room 108, 16 Hart House Circle, 10 a.m.

Lawrence W. Curtis, Department of Geology, "Petrology of the Red Wine Complex, Central Labrador." Thesis supervisor: Prof. J. Gittins. Room 108, 16 Hart House Circle, 2 p.m.

FRIDAY, JUNE 20

Carlos Alberto Martin, Department of Physics, "Experimental Investigation of the Structural Transition in Potassium Hexachloroformate." Thesis supervisor: Prof. R.L. Armstrong. Room 201, 65 St. George St., 2 p.m.

MONDAY, JUNE 23,

Umberto DeBoni, Department of Physiology, "Aluminum Neurotoxicity." Thesis supervisor: Profs. D.R. Crapper and J.W. Scott. Room 201, 65 St. George St., 10 a.m.

Shawn Elliot Scherer, Department of Educational Theory, "The Influence of Linguistic Style, Interpersonal Distance and Gaze on Attitude Acquisition." Thesis supervisor: Prof. D.G. Ogston. Round Room, Massey College, 10 a.m.

Alan J. Cousin, Department of Electrical Engineering, "Automated Fetal Cardiac Valve Motion Detection Using Ultrasound." Thesis supervisors: Profs. K.C. Smith, I.H. Rowe, and L.W. Organ. Room 108, 16 Hart House Circle, 10 a.m.

Ernst Peter Kundig, Department of Chemistry, "Transition Metal Alloys in Organic Synthesis." Thesis supervisor: Prof. G.A. Ozin. Room 108, 16 Hart House Circle, 2 p.m.

of the U of T Household Science Alumnae Association, Toronto Home Economics Association, the Canadian Home Economics Association, and the Women's Advertising Club of Toronto. She was served as a consultant in her field in Ethiopia, Nigeria, and Senegal, and is the author of many articles and cook books.

In the *Bulletin* of May 30, three teaching staff members recently elected to Governing Council in by-elections were erroneously included among those chosen for three-year terms in the general election. Prof. James W. Meakin (Constituency III, Medicine) will sit on Council until 1976; Prof. Maurice Lister (Constituency IE) and R.W. Misson (Constituency II) will complete terms expiring in 1977. They replace Prof. J.C. Lairdall (Constituency III), John E. Dove (IE), and Harold W. Smith (II), who resigned from the Council.

Garth R. Lambert, Department of Classical Studies, "A Study of Aristotle's Concepts of Moral and Intellectual Education in the Context of Modern Educational Theory." Thesis supervisor: Prof. J.R. O'Donnell. Room 201, 65 St. George St., 2 p.m.

TUESDAY, JUNE 24

Ahmed Assem Abdelaalman, Department of Mechanical Engineering, "Dropwise Condensation on Vibrating Condensing Surfaces." Thesis supervisor: Prof. A.H. Abdelsamie. Room 108, 16 Hart House Circle, 10 a.m.

WEDNESDAY, JUNE 25

Rudolph Abel, Department of Mechanical Engineering, "Examination of the Flow Structure Near Large Bubbles in Horizontal Slab-Flow." Thesis supervisor: Prof. A.H. Abdelsamie. Room 108, 16 Hart House Circle, 10 a.m.

THURSDAY, JUNE 26

Norman Edward Morris, Department of Educational Theory, "A Group Self-Instruction Method for the Treatment of Depressed Outpatients." Thesis supervisor: Prof. D.G. Ogston. Round Room, Massey College, 10 a.m.

George MacKenzie Nicholl, Department of Education Theory, "The Effect of Advanced Organizers on Cognitive Social Learning Groups." Thesis supervisor: Prof. C.M. Christensen. Round Room, Massey College, 2 p.m.

Augustinus Petrus Duric, Department of German, "Short Narrative Prose of Expressionism." Thesis supervisor: Prof. G.W. Field. Croft Chapter House, University College, 2 p.m.

FRIDAY, JUNE 27

Russell Poole, Department of Medieval Studies, "The Skald and His Poetry in Old Icelandic Sagas-Literature." Thesis supervisor: Prof. R.F. Rankin. Round Room, Massey College, 2 p.m.

THURSDAY, JULY 3

Seth N. Assimeh, Department of Biochemistry, "The Macromolecular Structure of the First Component of Human Serum Complement." Thesis supervisor: Prof. R.H. Painter. Room 108, 16 Hart House Circle, 2 p.m.

WEDNESDAY, JULY 16

Florence Ann Jackman, Department of Chemistry, "Effect of Ion Pairing on Reaction Rates and Mechanisms." Thesis supervisor: Prof. M.W. Lister. Room 108, 16 Hart House Circle, 2 p.m.

Readers needed to tape textbooks

Do you have a passion for books and a few hours to spare each week?

The CNIB is currently upgrading and expanding its tape transcription program. Volunteers are needed to read and monitor for a minimum of two hours each week as part of a team creating "Textbooks with a Voice" for blind and partially sighted students. Subjects range from mathematics to music, sociology to physics.

Recording studios at CNIB are open 9 a.m. to 9 p.m.

For further information, please call the CNIB Volunteer Bureau at 486-2573.

New night course for 'fun' physicist

Woodsworth College and the School of Continuing Studies have been offering a new night course for those who have completed two years of physics and who need the use of sophisticated laboratory equipment to further a hobby or serious project.

The course, "Quantum Physics for the Amateur Physicist", has been taught by Prof. J.D. Prentice of the Department of Physics, who believes "physics is fun."

Dr. Prentice says the graduate working in a different field after his graduation "should have access to laboratory facilities such as a laser beam, an electron microscope, liquid helium and nitrogen, and the radio-active sources for which one must have a licence."

Last year's class of six did the same experiments as the third and fourth year students and

included the president of a computer company, two science teachers, an engineer in a bicycle company, a demonstrator at the Ontario Science Centre, and a lawyer.

John Buchan, who qualified in both engineering physics and law from Queen's University, and now practises law in Toronto, "found lab studies an interesting balance" to his days as a lawyer.

Buchan says, "Before Christmas, I studied light spectra for my hobby astronomy. During the second term, I studied the principles of hydrodynamics for my other hobby, amateur radio."

Dr. Prentice hopes to conduct the course again in the autumn when he returns from his summer studies in Batavia, Illinois, where he will be working on experiments on the structure of the proton.

Dentistry Convocation

Continued from Page 1

Fees were \$150 and the course fees covered four months.

Preventive work stressed

By 1947, when Dr. Ellis became Dean, the Faculty had already outgrown its physical premises five times. By 1950 rapid technological changes and scientific advances were changing the emphasis within the faculty and the profession from corrective to preventive dentistry. Dr. Ellis warned the graduates that the shift towards preventive dentistry would continue in the future.

At the conclusion of the speech, William James Sinclair received the first Ph.D. conferred by the Faculty in many years, and only the third in its 100-year history.

461 more degrees

On June 3, Convocation was held for 460 graduates of Applied Science and Engineering, Forestry, Architecture, and Landscape Architecture, and for the confer-

ring of an honorary degree of LL.D. upon W.M. Vacy Ash, past president of Shell Oil Canada Ltd., member of the Board of Governors from 1961 until 1971, and an Officer of the Order of Canada.

Prof. Max Clarkson, Dean designate of the School of Management Studies, gave the citation in which he described Mr. Ash as "a staunch friend, leader, and servant of this University."

In his address to the graduating class, Dr. Ash said he declined to offer advice. Instead, he described his hopes for each graduate: "May you achieve what satisfies you; may good fortune come your way; and may you recognize it when it comes."

He spoke of his tenure on the Commission on University Government (CUG), which was responsible for many of the changes which subsequently occurred in the governance of the University. He got a hearty laugh from the students when he said, "While on CUG I learned the real meaning of the words 'meaningful', 'viable' and 'relevant.'"

Noting that the revised set of recommendations is "clearly superior" to that submitted in March, Prof. Joan Foley suggested that, in light of the serious division of opinion, a delay in final approval "might be the wisest course."

Invited to address the meeting, Dean Greene replied at length to his student critics, noting that in a somewhat similar situation last year the Governing Council chose "not to impose its will" regarding the non-academic discipline code in light of the strong opposition expressed by some segments of the University.

Comparisons between the 50-member Governing Council and the Faculty Council or General Committee in Arts and Sci-



250 join in salute to 'a truly great' team

More than 250 former University athletes and friends gathered in the Great Hall of Hart House on May 29 for a memorable farewell party in honour of Phyllis Lea and Kay Boyd (above). Miss Lea is left, with A. Dalton White, Director of Men's Athletics, who retire on June 30 after many years as the twin backbones and organizational geniuses behind U of T men's athletics program. Miss Lea was secretary to

Prof. White and his predecessor, Warren Stevens, for 36 years and Miss Boyd served for 38 years as secretary, problem-solver, and schedule-maker supreme for intramural athletics. Ted Reeve, dean of Toronto sports writers, wrote fondly: "May the chimes of Hart House peal forth with most happy music in salute to that truly great U of T team: Kay Boyd and Phyllis Lea."

Tenure rules are now complete

Continued from Page 1

not prepared to accept students as voting members of such committees," added Prof. Margaret Thompson.

Mr. Kanowitch said he was "least impressed" by the response from Dean Robert A. Greene, Arts and Science, who had argued for greater autonomy for the Governing Council vote. The turnout of 37 members on March 20 "is not exceptionally low for Governing Council," Mr. Kanowitch said, adding that governing bodies in Arts and Science often have problems achieving even a bare quorum.

Noting that the revised set of recommendations is "clearly superior" to that submitted in March, Prof. Joan Foley suggested that, in light of the serious division of opinion, a delay in final approval "might be the wisest course."

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Comparisons between the 50-member Governing Council and the Faculty Council or General Committee in Arts and Sci-

ence, which have 1,300 and 200 members respectively, are just a "red herring", the Dean said. The important point, he felt, is that many faculty members consider the presence of a voting non-academic member on a tenure committee to be a "betrayal of the ideals of the University." Many professors, including virtually the entire membership of two departments, "feel so strongly about this matter that they will not be able to serve on future tenure committees." It would be reasonable to ask Governing Council to re-think its vote, he concluded.

As proposed in the recommendations, consideration of tenure "will become an expensive time-consuming process," said Prof. J.R. Vanstone in repeating his opposition to the entire package of recommendations. "Perhaps it is time for the University to consider abolishing tenure altogether."

Four abstentions in vote

Prof. Dow and President John Evans were among the four abstentions as the committee approved by a margin of one to the recommendations concerning student membership, committee procedures and confidentiality, and the proposed University Tenure Committee.

After further debate, the mem-

bers agreed to revise the amendment regarding cross-appointments at Scarborough College in order to provide for such appointments by mutual consent of the College and the relevant University departments.

The committee later approved the final set of six recommendations covering appeals against denial of tenure and promotion for termination of tenured appointments, thus completing almost two full years of debate on approximately half of the original task force proposals.

In other business, the committee approved guidelines for academic appeals within divisions, but only after a lengthy debate which included the deletion of one recommendation, concerning the right of the final appeal committee to refuse to hear an appeal which it considered frivolous or vexatious.

The first set of guidelines on academic appeals was established in 1974, but divisional responses indicated that their intent was misunderstood. According to Prof. J.B. Dunlop, chairman of the sub-committee on academic appeals, the new guidelines reflect their true intent. "These are not exhaustive procedures, but merely the main features of a fair system as we see it."

The revised guidelines will now be presented to the Governing Council for possible approval.

An April Fool in May

The May 23 issue of the *Bulletin* drew the reader's attention to Martin Gardner's column, Mathematical Games, in the April issue of *Scientific American* in which six sensational discoveries that had "escaped public attention" were reported.

Gardner (whom *Time* magazine dubs "the clown prince of science") lost hundreds of readers in his mathematical mazes. Some of his hoaxes, like the one the *Bulletin* published, were less obvious — such as whether one needs four or five colours so that "no two regions with a common boundary are the same colour." The author included a test map that challenged the reader to complete it using fewer than five colours.

Prof. H.S.M. Coxeter, U of T mathematician, was cited in the article as one who has given much thought to this problem. Now Prof. Coxeter has received a copy of a humorous letter sent to Gardner by Myrtle V. Cross, Ph.D., New Port Beach, Calif., who successfully coloured the test map using only four colours.

The writer offered to colour other 5-colour maps for 20 cents a country. Cartographer Cross wrote that "this offer should not be interpreted to mean that I believe no 5-colour maps exist, only that they are very rare." With a touching postscript, Cross concludes, "At this stage of my 4-colour research program, it appears that less than two years will be needed to completely solve the problem. Since this requires financial support for my family and me, I would appreciate any leads to such support."

From U of T's Institute for the History and Philosophy of Science and Technology, Constance R.M. Gardner, assistant to the director (and unrelated to author Gardner), writes to the *Bulletin* that she has spotted the spurious in the April Fool's article and included the test map, which she also completed, using only four colours.

Martin Gardner ripped off a lot of his readers, but when it came to colouring maps with four colours or five, our readers, especially the several who telephoned the *Bulletin*, proved that they were not at sea at all.

Guidance centre sales go up 100 %

The Faculty of Education Guidance Centre, believed to be one of the few self-supporting operations within the University, is negotiating for additional space to house its expanding publications operation. The Centre hopes to lease additional space in the building it occupies at 10 Alcorn Ave.

During the last decade sales of the Centre's materials have increased in dollar value by almost 100 per cent, to more than \$1 million, according to the manager, S.J. Totton.

The Guidance Centre publishes intelligence, achievement, aptitude and mathematics tests for

use by universities, and elementary and secondary schools. One is the Math Topic Test developed out of research done jointly by the University of Ottawa, the Ontario Board of Education, and the Ministry of Education. Since 1971 it has distributed tests of the Teacher's College Press of Columbia University and the Educational Testing Service at Princeton.

Two periodicals, one on guidance and one on educational administration, are also published. These and other Canadian materials are chiefly for secondary school teachers and guidance counsellors.

In explaining the secret of maintaining a self-supporting operation, Mr. Totton said simply, "We don't spend more than we take in."

ACCOMMODATION

Furnished house, Eglington-Mt. Pleasant area, for rent June 20 to Aug. 31; 4 bedrooms, family room, rec. room, study, 1½ bathrooms; large garden; garage. Close to TTC and shops. \$500. per month inclusive. Telephone 484-9216.

COMING EVENTS

6 FRIDAY

Colloquium
"Proton Transfer, Slow, Fast, and Faster," Prof. M.M. Kreevoy, University of Minnesota. 158 Lash Miller Chemical Laboratories. 4 p.m.

Theatre

Mirandolina, translated and adapted from *La Locandiera* of Goldoni by Lady Gregory. June 6-7 and 11-14. Studio Theatre, 4 Glen Morris St. 8.30 p.m. Reservations, 928-8705.

9 MONDAY

Lecture

"Cell culture on artificial capillaries." Dr. R. Knazek, Public Health Service, National Institutes

of Health, Bethesda; R. S. McLaughlin Visiting Scientist. 406 Professional Building, 123 Edward St. 12.30 p.m.

13 FRIDAY

Colloquium

"Effects of Molecular Shape and Orientational Order in Solution Thermodynamics," Prof. D.D. Patterson, McGill University. 158 Lash Miller Chemical Laboratories. 4 p.m.

20 FRIDAY

Theatre

Rat Run by Peter Terson. June 20-21 and 24-28. Studio Theatre. 4 Glen Morris St. 8.30 p.m. Reservations, 928-8705.



British Columbia Landscape by Emily Carr, now hanging in the National Gallery, Ottawa. This is one of the illustrations in *Pictures from the Douglas M. Duncan Collection*, published by the U of T Press.

News from the Press

Books published by the Press during April and May:

George P. Lilley: *A Bibliography of John Middleton Murry, 1889-1957*. 226 pages, \$30.

Christine Fell (translator & editor): *Egils Saga*. 222 pages, \$12.50.

Leonard Marsh: *Report on Social Security for Canada*. (Social History of Canada Series no. 24), 330 pages, \$15. cloth, \$6.50 paper.

League for Social Reconstruction: *Social Planning for Canada*. (Social History of Canada Series no. 26), 528 pages, \$20. cloth, \$6.50 paper.

G.M. Wicksens (translator): *Morals Pointed and Tales Adorned: the Bustan of Sa'di*, 318 pages, \$20.

Margaret Prang: *N.W. Rowell, Ontario Nationalist*, 554 pages, \$25.

Laurie Conan (translation & introduction by Yves Brunelle): *Adeline de Montbrun*, (Literature of Canada Series no. 14), 170 pages, \$12.50 cloth, \$4.50 paper.

Ernesto Strehlke: *Tabulae Ordinis Theutonicorum*, 494 pages, \$60.

Trevor Lennan: *Sebastian Westcott, the Children of Paul*, and *The Marriage of Wit and Science*, 222 pages, \$15.

W.E. Collin (new introduction by Germaine Warkentin): *The White Savannahs: the first study of Canadian poetry from a modern viewpoint*, (Literature of Canada Series No. 15), 330 pages, \$17.50 cloth, \$9.50 paper.

H. Allen Brooks: *Prairie School Architecture: studies from 'The Western Architect'*, 334 pages, illus., \$30.

M.L. Friedland (ed.): *Courts and Trials: a multi-disciplinary approach*, 162 pages, \$12.50 cloth, \$4.95 paper.

Jean-Pierre Andreoli-de-Villiers: *Futurism and the Arts: a bibliography, 1959-73*, 190 pages, \$17.50.

Louis Aubrey Wood (new introduction by Foster J.K. Griezic): *A History of Farmers' Movements in Canada: the origins and development of agrarian protest, 1872-1924*, (Social History of Canada Series No. 25), 372 pages, \$17.50 cloth, \$9.50 paper.

Benjamin Schlesinger (ed.): *The One-Parent Family: perspective and annotated bibliography*, 3rd revised edition, 186 pages, \$10.

Frances Duncan Barwick: *Pictures from the Douglas M. Duncan Collection*, 148 pages, illus., \$15. S.P. Rosenbaum (ed.): *The Bloomsbury Group: a collection of memoirs, commentary, and criticism*, 444 pages, illus. \$25. cloth, \$10 paper.

RESEARCH

NEWS

MRC Program Grants & Research Professorships

The Medical Research Council has announced the establishment of two new programs.

The first, Program Grants, is to aid the development of major multidisciplinary, multiprofessional, multifaculty, or inter-university research programs by two or more investigators, holding academic appointments in Canadian health professional schools, or by persons in non-health faculties whose work will have direct relevance to the area of human health. For information regarding applications, which must be submitted by Oct. 1, call ORA at 928-2163.

The second will provide a limited number of Research Professorships to relieve faculty members in health science faculties of teaching and administrative duties for a year of full-time research, in a research program of high promise. Applications should be made by the dean of a health science faculty by Nov. 15.

IHPST searches for new head

The President has appointed a search committee to recommend a director for the Institute for the History and Philosophy of Science and Technology for the period beginning July 1, 1976.

Members of the committee are: Prof. R.A. Spencer, SGS, chairman; Profs. J.M.S. Cawelti, History; H.C. Corbin, Physics; G.B. Craig, Metallurgy and Materials Science; T.A. George, Philosophy and representing the fields of Arts and Science; J.W. Scott, Physiology; H.T. Levere and M.P. Winslow, HIPST.

Any member of the committee would be glad to receive recommendations.

Prof. Kenneth May, who has resigned as director effective June 30, will remain as a member of the Institute staff. Prof. Bruce Sinclair has agreed to serve as acting director for the year 1975-76.

ISC offers bus trip to Stratford

The International Student Centre is sponsoring a bus trip to see *Measure for Measure* on Saturday, June 14. The cost is \$8.50 which includes transportation and the entrance fee. Bring your own supper!

The bus will leave the Centre, 33 St. George St., at 2 p.m. and return after the evening performance.

For more information and reservations, telephone the Centre at 928-2184.

EXHIBITION

Meetings of Governing Council

All meetings in Simcoe Hall unless otherwise indicated.

Monday, June 9
Planning and Resources, Council Chamber, 4 p.m.

Tuesday, June 10
Executive, Board Room, 4 p.m. (In camera)

Thursday, June 12
Academic Affairs, Board Room, 3.30 p.m.

Monday, June 16
Planning Sub-committee, Board Room, 4 p.m.

Tuesday, June 17
Admissions and Awards, Council Chamber, Pharmacy Building, 2 p.m.
Internal Affairs, Council Chamber, 4 p.m.

Thursday, June 19
Governing Council, Council Chamber, 4.30 p.m.

STAFF NOTES

Continuing Studies

Prof. CARLOS A. YORIO spoke on "Syntactic ambiguity: a problem in the teaching of reading and writing English as a second language" at the French Language Bureau, Ottawa, on Nov. 13.

Management Studies

Prof. S.P. Sethi presented a paper, "Optimal control of epidemics" at the joint national

meeting of the Operations Research Society of America and the Institute of Management Sciences held at San Juan de Puerto Rico, Oct. 11-18.

Prof. S.H. SCHUSTER (with E.A. OZKARAHAN and Prof. K.C. SMITH) presented a lecture, "RAP: a rotating associative processor for data base management" at the workshop for computer architecture for non-numerical processing, held at Southern Methodist University, Dallas, on Oct. 15.

"York and the Home District" shows scenes of pioneer life in York settlement before and after the rebellion. Collection includes portraits of influential settlers of the late 18th and early 19th centuries; maps and charts; legal documents; and other materials showing the growth of the settlement between 1780 and 1835. Sigmund Samuel Canadiana Gallery. To June 15.